

AMENDED

WHAT IS CLAIMED IS:

1.) (Original): A nozzle for delivering a measured quantity of viscous liquid comprising:

b) an opening defined by a perimeter and a cylindrically-shaped barrel wall extending from said perimeter downward to a break point defined by a circle spaced-apart from said opening;

b) means for connecting said barrel wall of said nozzle to a reservoir from which a viscous liquid is transferable to said nozzle;

c) a cone-shaped wall extending downward from said circular break point and then inward there from to a circular exit opening; and,

d) a straight, small-diameter exit tube, of uniform diameter, extending from said circular exit opening to a circular exit aperture for dispensing the liquid from said nozzle;

e) wherein there is a controlled ratio of the internal diameter of said exit tube and the wall thickness of said exit tube.

2.) (Canceled)

3.) (Canceled)

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1 4.) (Original): The nozzle for delivering a measured quantity of viscous liquid of Claim 1
2 wherein the ratio of the internal diameter of said exit tube to the wall thickness of said exit
3 tube exceeds 7.5.

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5 5.) (Original): The nozzle for delivering a measured quantity of viscous liquid of Claim 1
6 wherein said opening is circular and said horizontal perimeter is about 25 mm in diameter.
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8 6.) (Canceled)
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10 7.) (Currently amended): The nozzle for delivering a measured quantity of viscous liquid of
11 Claim 1 wherein said cone-shaped wall extending downward from said circular break point
12 and then inward there from to a circular exit opening has a wall convergence between about
13 5° and about 20°.
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15 8.) (Currently amended): The nozzle for delivering a measured quantity of viscous liquid of
16 Claim 1 wherein said cone-shaped wall extending downward from said circular break point
17 and then inward there from to a circular exit opening has a wall convergence of about 10°.
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19 9.) (Canceled)
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21 10.) (Canceled)
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23 11.) (Currently amended): The nozzle for delivering a measured quantity of viscous liquid of
24 Claim 1 wherein said flare wall extends inward from said perimeter about 5 mm.
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12.) (Canceled)

13.) (Currently amended): The nozzle for delivering a measured quantity of viscous liquid of Claim 1 wherein said cylindrically-shaped barrel wall extends downward from said flare wall at an angle of about 2° with the vertical.

14.) (Canceled)

15.) (Currently amended): The nozzle for delivering a measured quantity of viscous liquid of Claim 1 wherein said cone-shaped wall extends downward from said circular break point at an angle of about 15° with the vertical.

16.) (Canceled)

17.) (Canceled)

18.) (Canceled)

19.) (Canceled)

20.) (Canceled)